

PATENT
Customer No. 22,852
Attorney Docket No. 07303.0102

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of:)
)
Leonard Wai Fung KHO et al.) Group Art Unit: To Be Assigned
)
Application No.: To Be Assigned) Examiner: To Be Assigned
)
Filed: January 21, 2004)
)
For: OFFSET GAP CONTROL FOR)
ELECTROMAGNETIC DEVICES)

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Sir:

INFORMATION DISCLOSURE STATEMENT UNDER 37 C.F.R. § 1.97(b)

Pursuant to 37 C.F.R. §§ 1.56 and 1.97(b), Applicants bring to the attention of the Examiner the documents listed on the attached PTO 1449. This Information Disclosure Statement is being filed within three months of the filing date of the above-referenced application.

Copies of Foreign Patent Documents and Other Documents are attached. Applicants respectfully request that the Examiner consider all the listed documents and indicate that they were considered by making appropriate notations on the attached form.

This submission does not represent that a search has been made or that no better art exists and does not constitute an admission that each or all of the listed documents are material or constitute "prior art." If the Examiner applies any of the

FINNEGAN
HENDERSON
FARABOW
GARRETT &
DUNNER LLP

1300 I Street, NW
Washington, DC 20005
202.408.4000
Fax 202.408.4400
www.finnegan.com

documents as prior art against any claim in the application and Applicants determine that the cited documents do not constitute "prior art" under United States law, Applicants reserve the right to present to the office the relevant facts and law regarding the appropriate status of such documents.

Applicants further reserve the right to take appropriate action to establish the patentability of the disclosed invention over the listed documents, should one or more of the documents be applied against the claims of the present application.

If there is any fee due in connection with the filing of this Statement, please charge the fee to our Deposit Account No. 06-0916.

Respectfully submitted,

FINNEGAN, HENDERSON, FARABOW,
GARRETT & DUNNER, L.L.P.

Dated: January 22, 2004

By: 

C. Larry O'Rourke
Reg. No. 26,014

CERTIFICATE OF EXPRESS MAILING

Express Mail Label No.: EV 351293947 US

I hereby certify that this correspondence is being deposited with the United States Postal Services "Express Mail Post Office to Addressee" service under 37 C.F.R. § 1.10, addressed to: Mail Stop Patent Application, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450, on the date below.

Date: January 22, 2004

Signed: 

Linda Phillips

FINNEGAN
HENDERSON
FARABOW
GARRETT &
DUNNER LLP

1300 I Street, NW
Washington, DC 20005
202.408.4000
Fax 202.408.4400
www.finnegan.com

INFORMATION DISCLOSURE CITATION

Atty. Docket No.	07303.0102	Appln. No.	To Be Assigned
Applicant	Leonard Wai Fung KHO et al.		
Filing Date	January 22, 2004	Group:	To Be Assigned

U.S. PATENT DOCUMENTS							
Examiner Initial*		Document Number	Issue Date	Name	Class	Sub Class	Filing Date If Appropriate
		3,965,293	06/22/1976	Schenk			
		4,425,508	01/10/1984	Lewis, Jr. et al.			
		4,924,257	05/08/1990	Jain			
		5,157,296	10/20/1992	Trumper			
		5,196,745	03/23/1993	Trumper			
		5,243,491	09/07/1993	Van Eijk et al.			
		5,294,854	03/15/1994	Trumper			
		5,473,410	12/05/1995	Nishi			
		5,528,118	06/18/1996	Lee			
		5,623,853	04/29/1997	Novak et al.			
		5,668,672	09/16/1997	Oomura			
		5,689,377	11/18/1997	Takahashi			
		5,699,621	12/23/1997	Trumper et al.			
		5,835,275	11/10/1998	Takahashi et al.			
		5,874,820	02/23/1999	Lee			
		5,892,117	04/06/1999	Theriot			
		6,069,417	05/30/2000	Yuan et al.			
		6,130,517	10/10/2000	Yuan et al.			
		6,323,494 B1	11/27/2001	Lee			
		6,442,858 B1	09/03/2002	Asano			
		6,472,777 B1	10/29/2002	Teng et al.			
		2002/0185983 A1	12/12/2002	Poon et al.			06/06/2001
		2003/0007140 A1	01/09/2003	Korenaga			07/03/2002

INFORMATION DISCLOSURE CITATION

Atty. Docket No.	07303.0102	Appln. No.	To Be Assigned
Applicant	Leonard Wai Fung KHO et al.		
Filing Date	January 22, 2004	Group:	To Be Assigned

FOREIGN PATENT DOCUMENTS

	Document Number	Publication Date	Country	Class	Sub Class	Translation Yes or N
	8-166475	06/25/1996	Japan			Abstract only
	8-171054	07/02/1996	Japan			Abstract only
	8-330224	12/13/1996	Japan			Abstract only
	8-334695	12/17/1996	Japan			Abstract only
	10-003039	01/06/1998	Japan			Abstract only
	10-020195	01/23/1998	Japan			Abstract only
	2001-233216 A	08/28/2001	Japan			Abstract only

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

	Arling, R.W. et al., "Six Degree of Freedom Fine Motion Positioning Stage Based on Magnetic Levitation," joint program between GCA Corporation and Sandia National Laboratories, U.S. Department of Energy, Contract DE-AC04-76DP00789, pp. 641-652.
	Holmes, Mike et al., "Magnetic/fluid-bearing stage for atomic-scale motion control (the angstrom stage)," <i>Precision Engineering</i> , Vol. 18, pp. 38-49, 1996.
	Williams, M.E. et al., "Magnetic Bearing Stage for Photolithography," <i>Annals of the CIRP</i> , Vol. 42, pp. 607-610, 1993.

Examiner	Date Considered
<p>*Examiner: Initial if reference considered, whether or not citation is in conformance with MPEP 609; draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.</p>	
Form PTO 1449	Patent and Trademark Office - U.S. Department of Commerce